Clinical Security and Medical Error Management

Code: 105018
ECTS Credits: 3

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<th>Semester</th>
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Contact

Name: Pedro Tudela Hita
Email: PedroAdrian.Tudela@uab.cat

Use of Languages

Principal working language: catalan (cat)
Some groups entirely in English: No
Some groups entirely in Catalan: Yes
Some groups entirely in Spanish: No

Teachers

David Pares Martínez

Prerequisites

Pre requirements

It is necessary that the student has basic clinical knowledge of medical and surgical pathology, and general hospital functioning.

Objectives and Contextualisation

Objectives and contextualization

It is an optional subject taught in the fourth, fifth and sixth year of the Degree in Medicine.

The general objective is the basic knowledge of the fundamental concepts in clinical safety, and l'action in relation to this in the hospital environment.

Competences

Medicine

• Communicate clearly, orally and in writing, with other professionals and the media.
• Demonstrate understanding of the causal agents and the risk factors that determine states of health and the progression of illnesses.
• Formulate hypotheses and compile and critically assess information for problem-solving, using the scientific method.
- Indicate the basic diagnosis techniques and procedures and analyse and interpret the results so as to better pinpoint the nature of the problems.
- Indicate the most suitable treatment for the most prevalent acute and chronic processes, and for the terminally ill.
- Recognise the basic elements of the medical profession as the result of an evolving, scientific, social and cultural process, including ethical principles, legal responsibilities and patient-oriented professional practice.
- Use information and communication technologies in professional practice.

**Learning Outcomes**

1. Analyse the importance of nosocomial infections on health outcomes for hospitalised patients.
2. Assess the relationship between efficacy and risk in the main therapeutic interventions.
3. Assess, ethically and legally, the impact of nosocomial infections.
4. Communicate clearly, orally and in writing, with other professionals and the media.
5. Describe the person as a multidimensional being in which the interplay of biological, psychological, social, environmental and ethical factors determines and alters the states of health and disease and their manifestations.
6. Explain ethical, legal and technical features and those of confidentiality related to patient documentation.
7. Formulate hypotheses and compile and critically assess information for problem-solving, using the scientific method.
8. Identify imbalances in body weight and nutritional states.
9. Indicate the basic complementary examinations for interpreting the manifestations of the illness in the different organs and systems of the human body.
10. Use information and communication technologies in professional practice.

**Content**

**LEARNING ACTIVITIES**

1. Directed activities

Theoretical-practical class

Key concepts in clinical safety. 2 h
Diagnostic errors 2 h
Medication errors 2 h
Safe surgery 2 h
Good practices for the prevention of errors. 2 h
Importance of Communication 2 h
Key elements; identification, falls, documentation. 1 hour
Notification systems. Root-cause analysis. 2 h
Medical error management. Second victims. 2 h

2. Supervised activities

External practice in the environment of the Institute for Healthcare Improvement.

http://www.ihi.org/education/IHIOpenSchool/Chapters/Groups/LAC/Pages/Cursos-en-L%25C3%ADnea.aspx

Composed of different training modules. At the end of each module there is an evaluation.
3. Autonomous activities

Comprehensive reading of texts and articles, study and realization of schemes, summaries and conceptual assimilation of the contents. Preparation of presentations and deliveries.

Methodology

The general norms of the subject are described here. The final organization regarding calendar, exam dates and distribution of groups will be specified on the first day of class through the teachers.

General methodology:

Estimated hours of the subject: 75 (3 ECTS)

Directed (20%): 15 h

Theoretical classes with presentation of representative clinical cases.

Supervised (20%): 15 h.

External practice in the environment of the Institute for Healthcare Improvement.

Composed by different formative modules, with an evaluation.

Autonomous work (55%): 41 h.

Bibliographic and documentary queries. Realization of schemes and summaries.

Evaluation (5%): 4 h.

Departamento(s) responsable(s):

Responsable de Facultat: Manuel Monreal Bosch (mmonreal.germanstrias@gencat.cat)

Responsables UDG TIP

Pere Tudela
ptudela.germanstrias@gencat.cat

David Parés
davidpares.germanstrias@gencat.cat
Activities

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<th>Learning Outcomes</th>
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<td>1.64</td>
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Assessment

Evaluation

For the final evaluation of the subject will be taken into account:

1) Attendance to the classes (50%).

2) Multiple-choice objective tests (30%).

3) Supervised teaching (20%).

Assessment Activities

<table>
<thead>
<tr>
<th>Title</th>
<th>Weighting</th>
<th>Hours</th>
<th>ECTS</th>
<th>Learning Outcomes</th>
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Bibliography

